

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101520\
 Data File : VN064138.D
 Acq On : 15 Oct 2020 13:02
 Operator : JC/MD
 Sample : L4415-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-10-14-20

Quant Time: Oct 16 02:21:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	260004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	507371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	530787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	184769	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	215174	58.11	ug/l	0.00
Spiked Amount			Recovery	=	116.22%	
35) Dibromofluoromethane	7.55	113	180545	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
50) Toluene-d8	10.06	98	657504	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.38	95	217427	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	

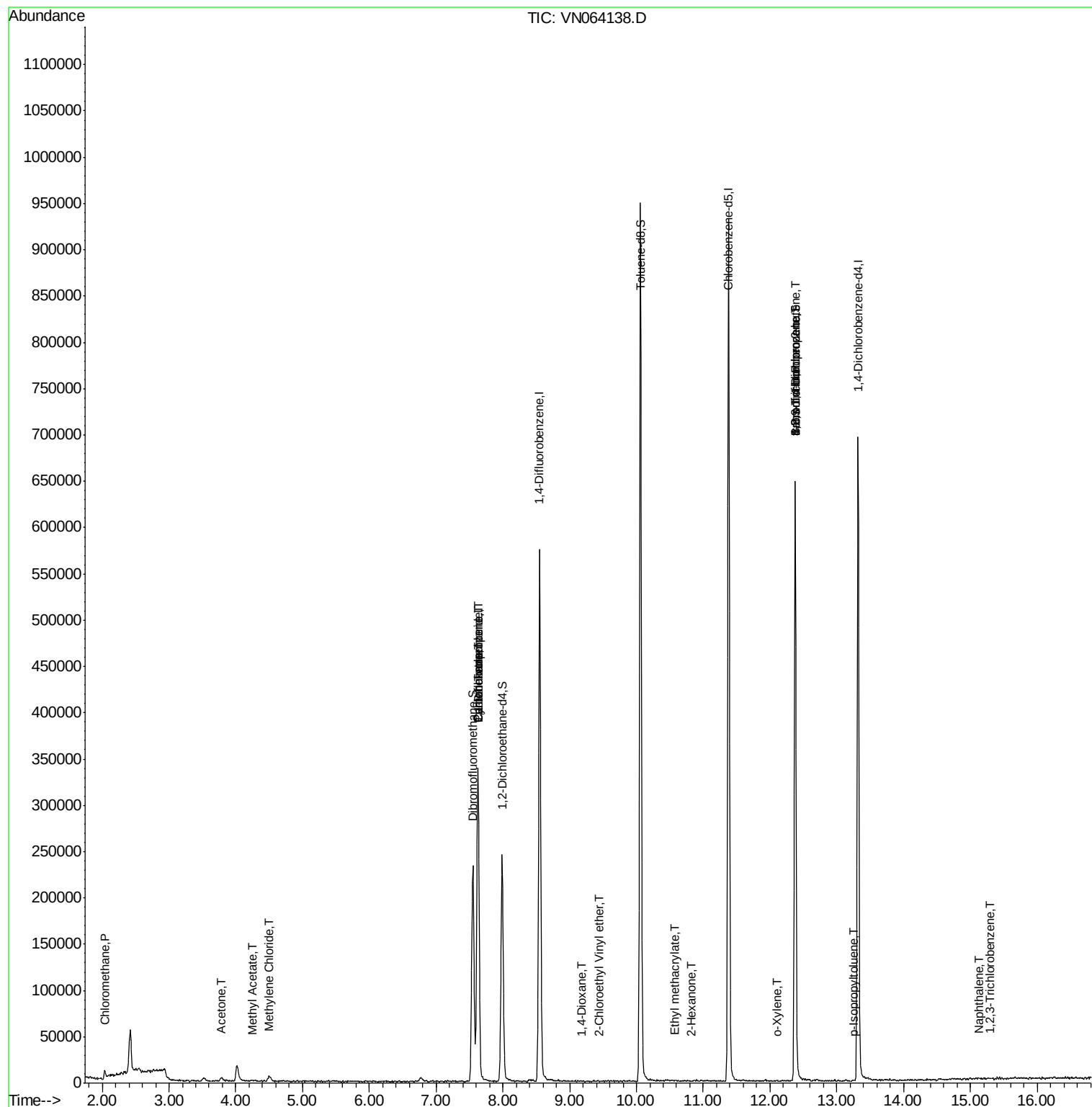
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	7859	2.576	ug/l	90
16) Acetone	3.79	43	6491	5.910	ug/l #	85
18) Methyl Acetate	4.26	43	575	0.209	ug/l #	61
20) Methylene Chloride	4.50	84	1594	0.469	ug/l #	88
31) Cyclohexane	7.63	56	6262	1.530	ug/l #	8
36) 1,1-Dichloropropene	7.63	75	21963	4.491	ug/l #	50
38) Carbon Tetrachloride	7.63	117	27215	5.175	ug/l #	16
49) 1,4-Dioxane	9.18	88	62	1.227	ug/l #	1
56) Ethyl methacrylate	10.58	69	30	2.304	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.44	63	66	12.242	ug/l #	48
59) 2-Hexanone	10.82	43	65	6.857	ug/l	93
69) o-Xylene	12.11	106	36	1.588	ug/l #	1
71) Bromoform	12.37	173	1599	2.665	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	116967	26.983	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	116967	82.439	ug/l #	12
86) p-Isopropyltoluene	13.27	119	68	0.668	ug/l #	52
95) Naphthalene	15.14	128	29	3.800	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.29	180	63	2.830	ug/l #	13

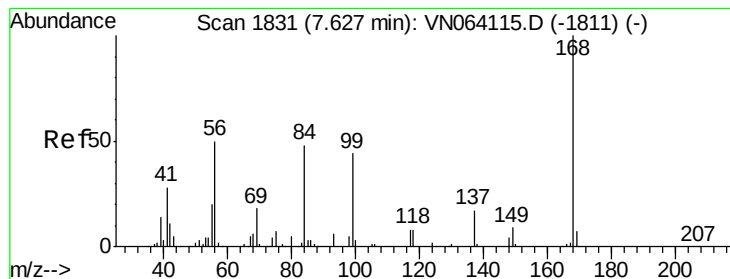
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064138.D

Acq: 15 Oct 2020 13:02

Instrument :

MSVOA_N

ClientSampleId :

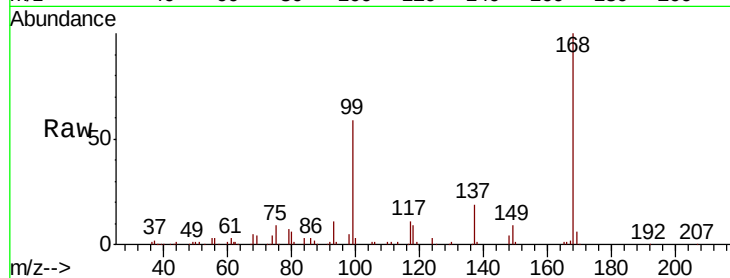
TB-10-14-20

Tot Ion:168 Resp: 260004

Ion Ratio Lower Upper

168 100

99 59.3 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

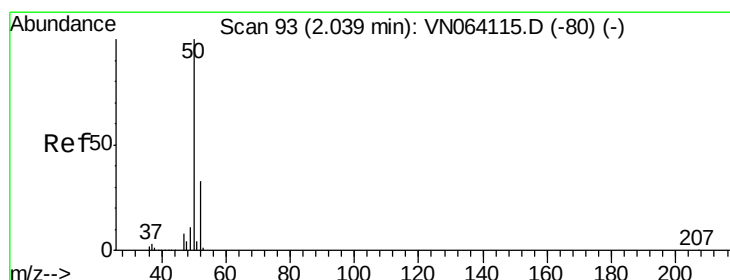
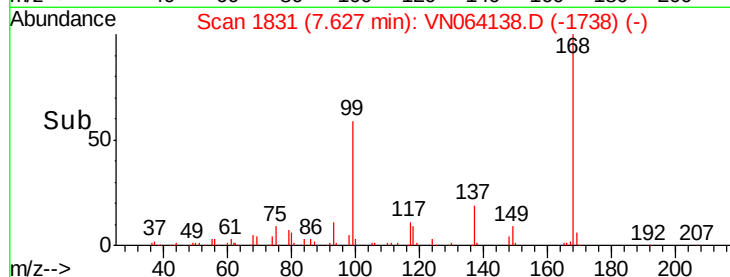
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 2.576 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064138.D

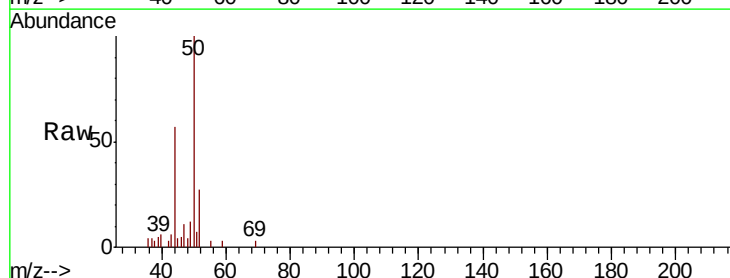
Acq: 15 Oct 2020 13:02

Tgt Ion: 50 Resp: 7859

Ion Ratio Lower Upper

50 100

52 26.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

6000

5000

4000

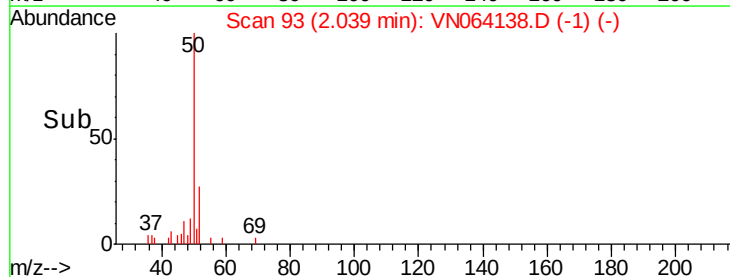
3000

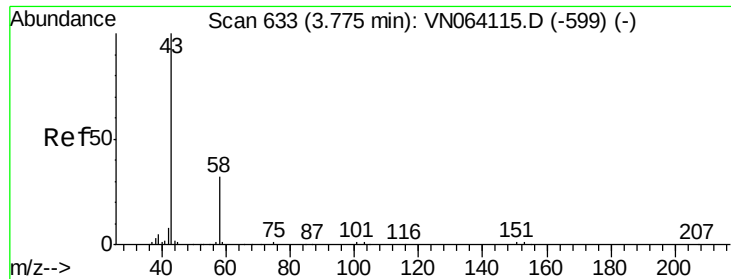
2000

1000

0

Time-->





#16

Acetone

Concen: 5.910 ug/l

RT: 3.79 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064138.D

Acq: 15 Oct 2020 13:02

Instrument :

MSVOA_N

ClientSampled :

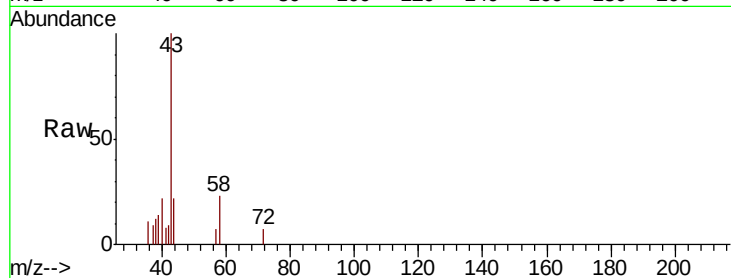
TB-10-14-20

Tot Ion: 43 Resp: 6491

Ion Ratio Lower Upper

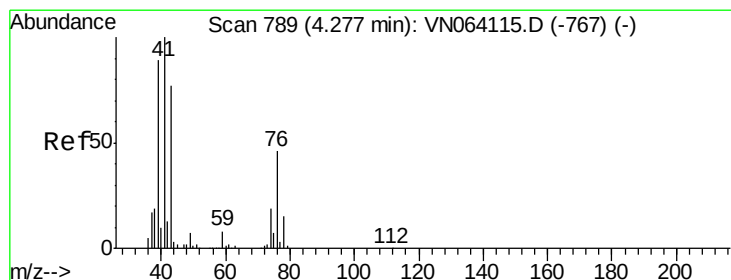
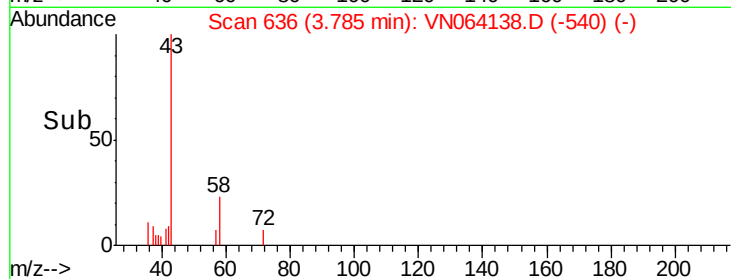
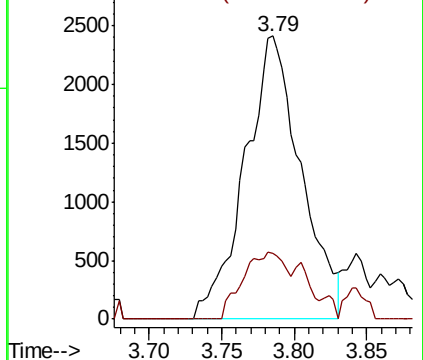
43 100

58 23.5 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.209 ug/l

RT: 4.26 min Scan# 783

Delta R.T. -0.02 min

Lab File: VN064138.D

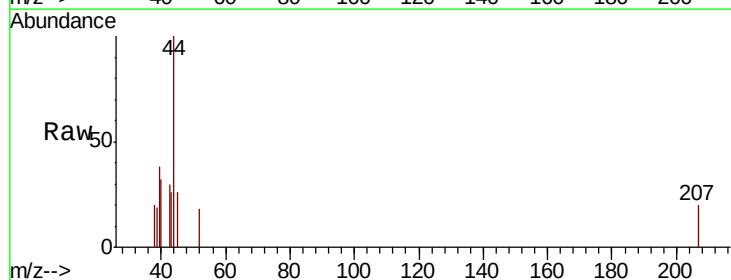
Acq: 15 Oct 2020 13:02

Tgt Ion: 43 Resp: 575

Ion Ratio Lower Upper

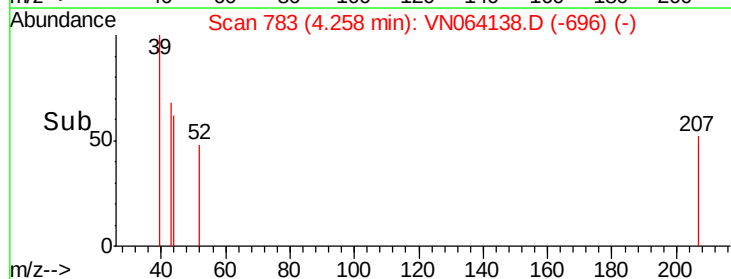
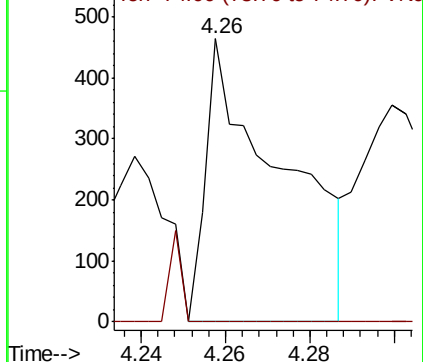
43 100

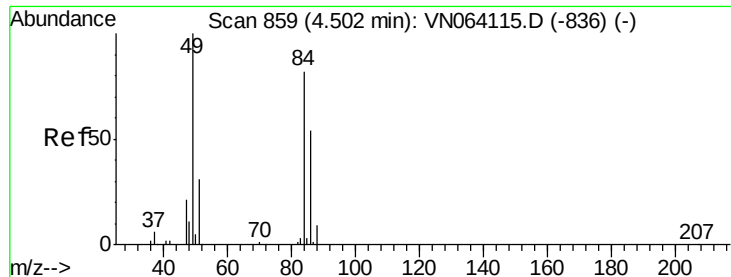
74 5.0 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

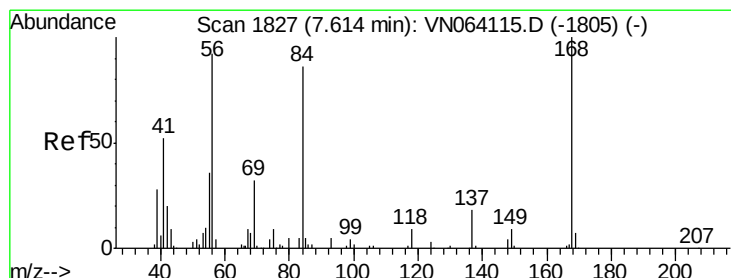
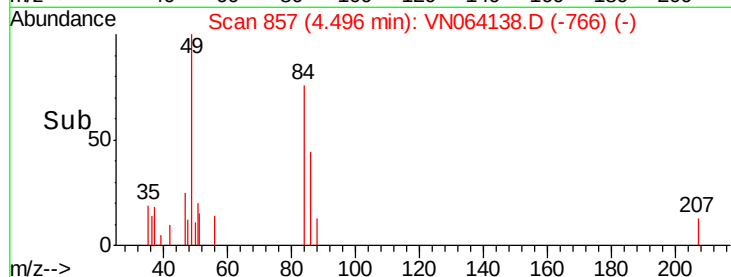
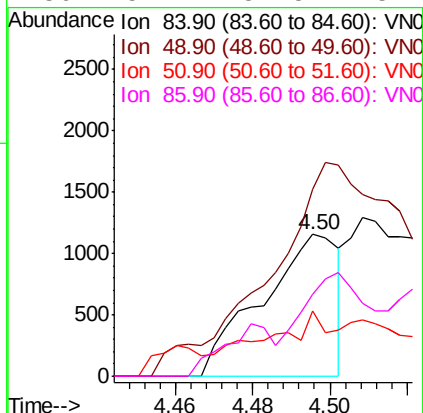
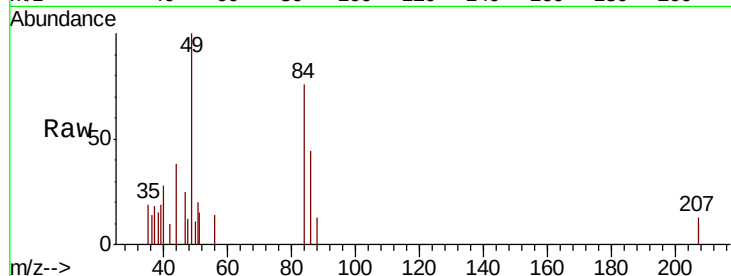




#20
Methvlene Chloride
Concen: 0.469 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN064138.D
Acq: 15 Oct 2020 13:02

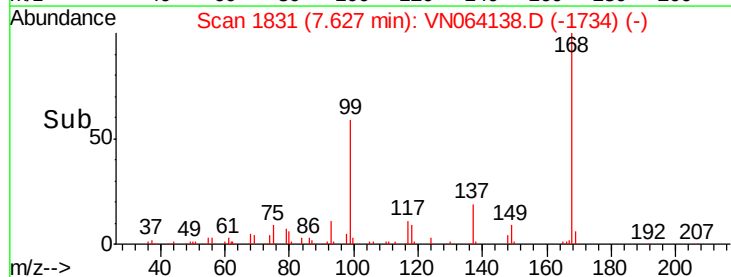
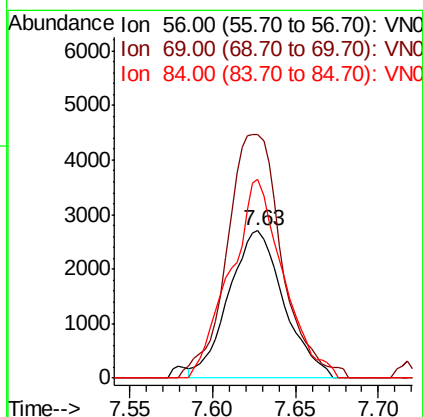
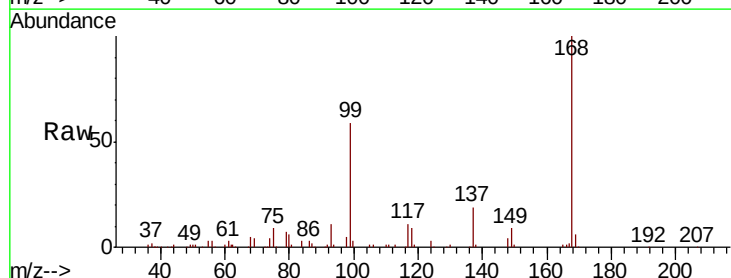
Instrument :
MSVOA_N
ClientSampled :
TB-10-14-20

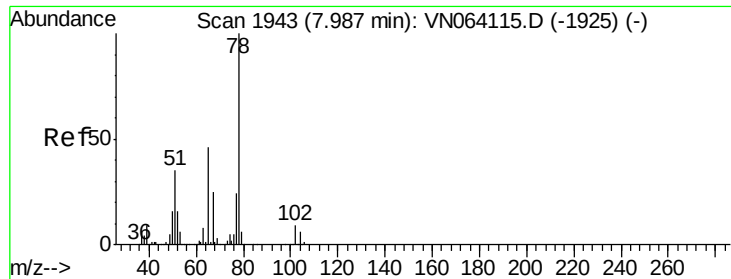
Tot Ion: 84 Resp: 1594
Ion Ratio Lower Upper
84 100
49 109.4 97.4 146.0
51 26.5 29.7 44.5#
86 57.7 52.5 78.7



#31
Cyclohexane
Concen: 1.530 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN064138.D
Acq: 15 Oct 2020 13:02

Tgt Ion: 56 Resp: 6262
Ion Ratio Lower Upper
56 100
69 157.9 27.8 41.6#
84 134.8 73.2 109.8#





#33

1,2-Dichloroethane-d4

Concen: 58.108 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064138.D

Acq: 15 Oct 2020 13:02

Instrument :

MSVOA_N

ClientSampled :

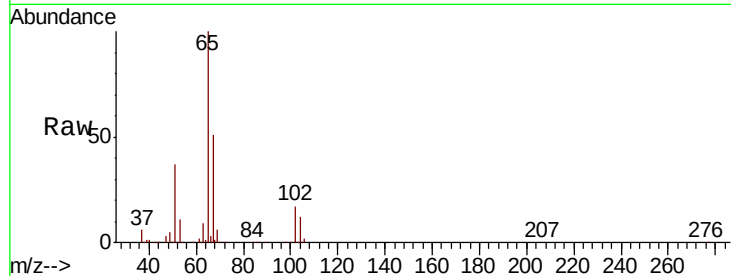
TB-10-14-20

Tot Ion: 65 Resp: 215174

Ion Ratio Lower Upper

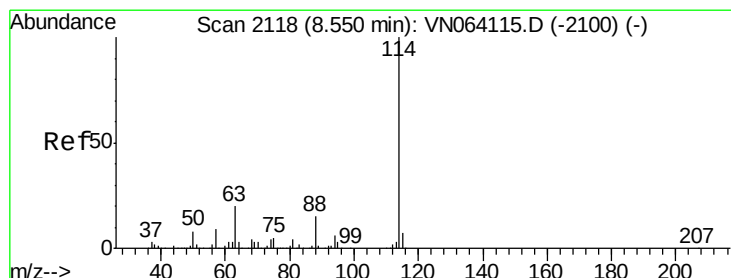
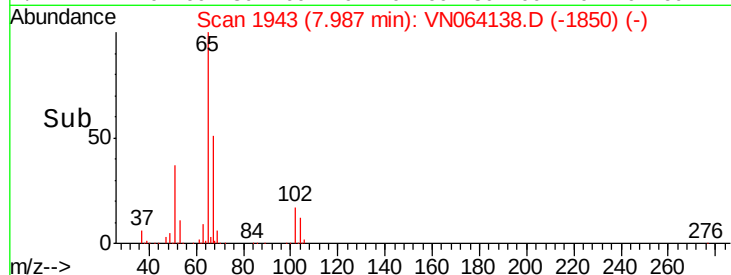
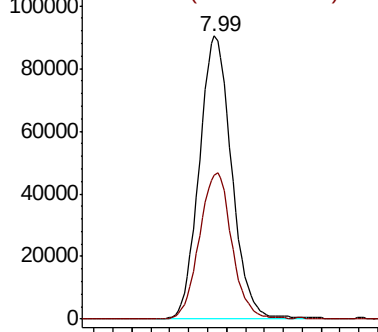
65 100

67 51.6 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064138.D

Acq: 15 Oct 2020 13:02

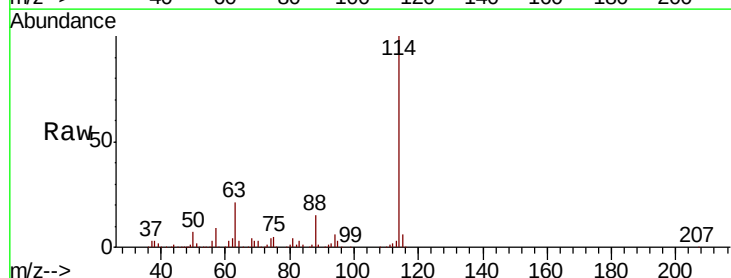
Tgt Ion: 114 Resp: 507371

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.0

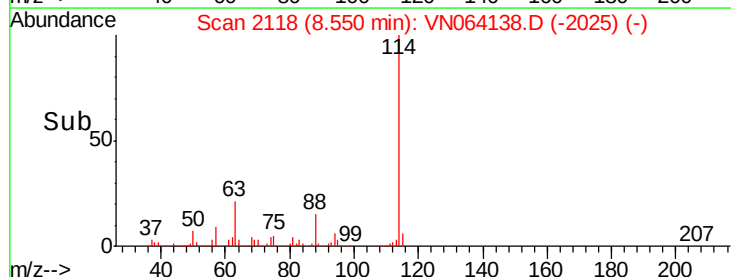
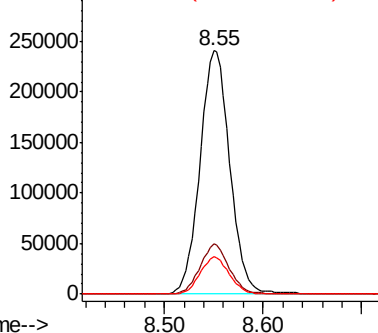
88 15.2 0.0 29.2

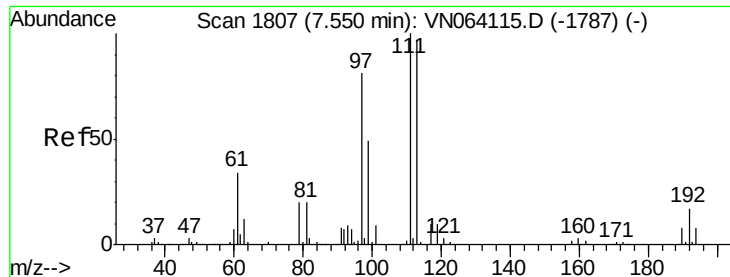


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

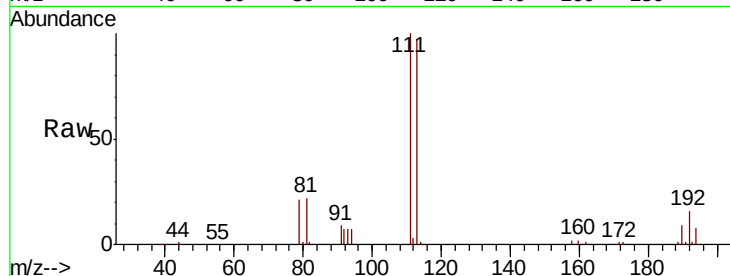




#35
Dibromofluoromethane
Concen: 51.411 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064138.D
Acq: 15 Oct 2020 13:02

Instrument :
MSVOA_N
ClientSampleId :
TB-10-14-20

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.9	122.9
192	17.3	14.3	21.5

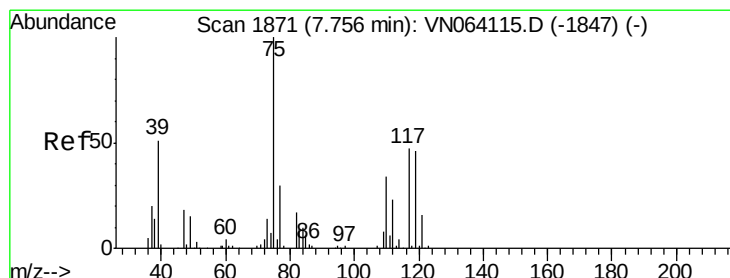
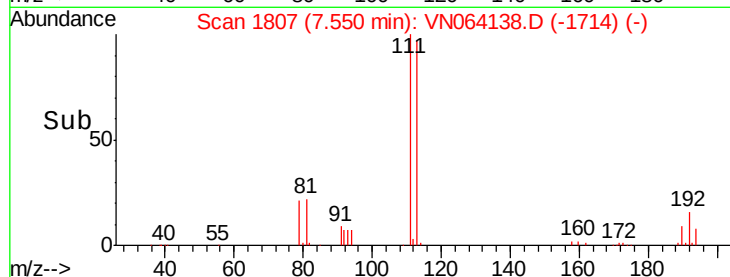
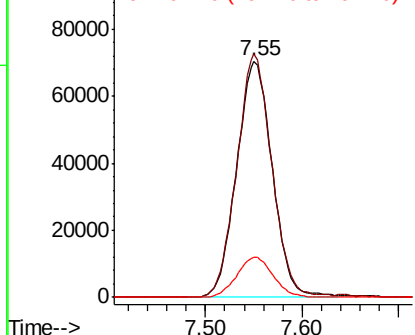


Abundance

Ion 112.80 (112.50 to 113.50): V

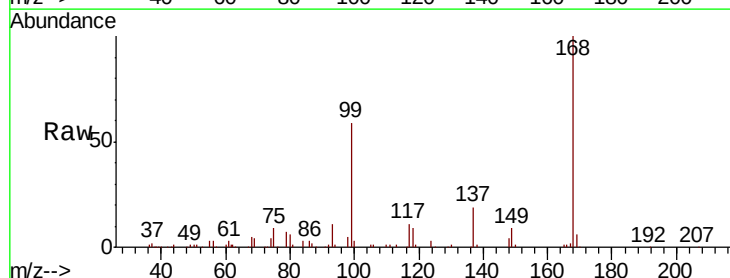
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 4.491 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.13 min
Lab File: VN064138.D
Acq: 15 Oct 2020 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.8	53.3#
77	0.0	24.9	37.3#

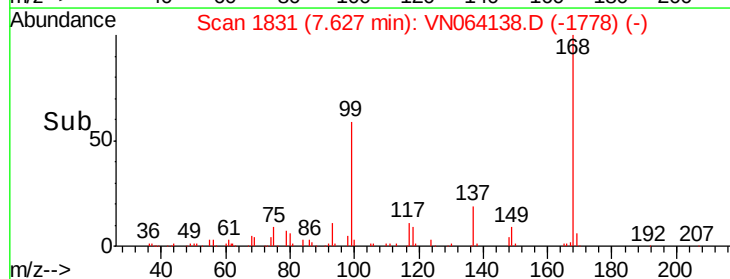
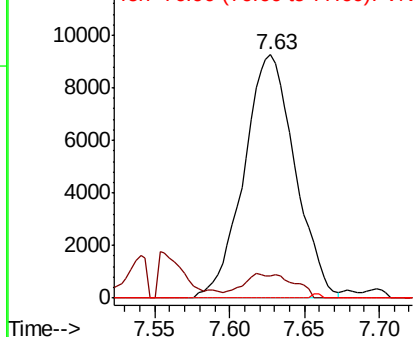


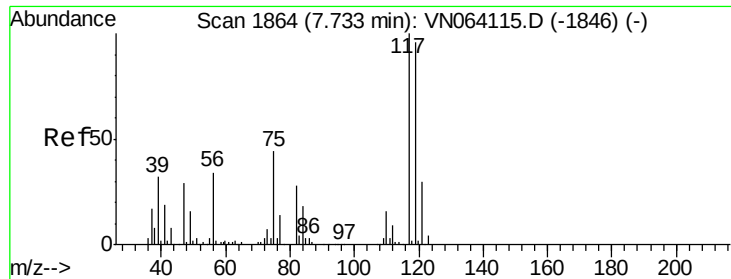
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

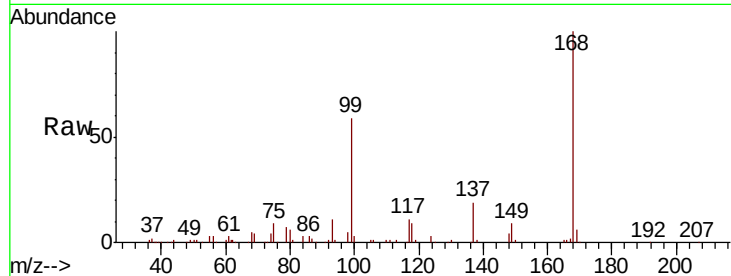




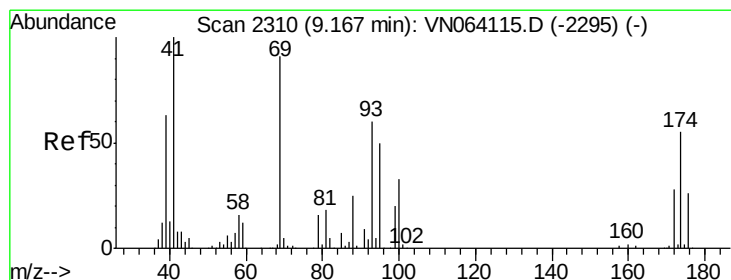
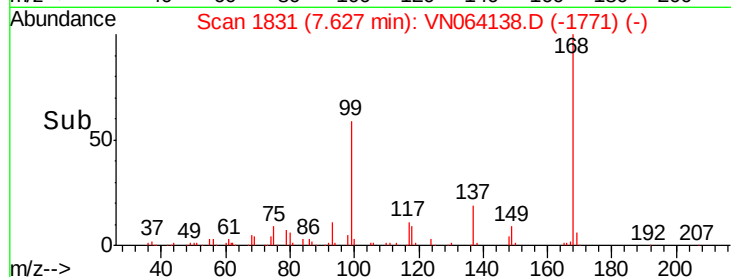
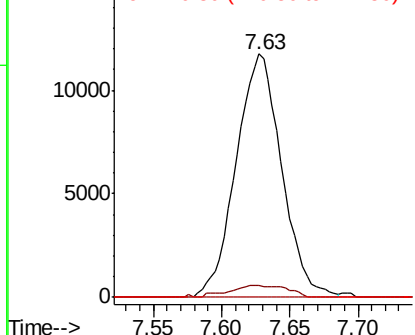
#38
Carbon Tetrachloride
Concen: 5.175 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064138.D
Acq: 15 Oct 2020 13:02

Instrument :
MSVOA_N
ClientSampled :
TB-10-14-20

Tot Ion:117 Resp: 27215
Ion Ratio Lower Upper
117 100
119 4.7 77.0 115.4#
121 0.0 24.2 36.4#

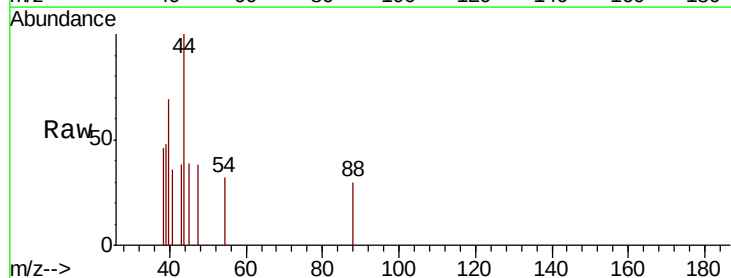


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

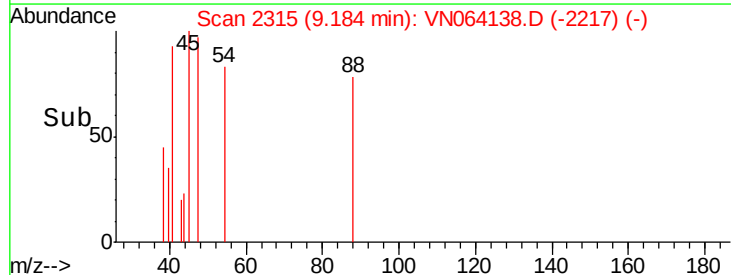
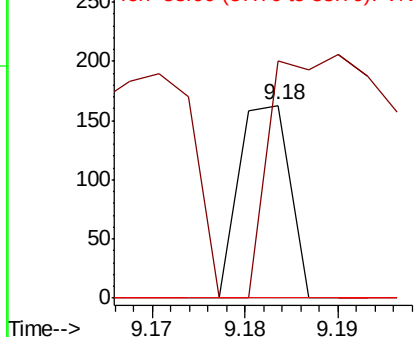


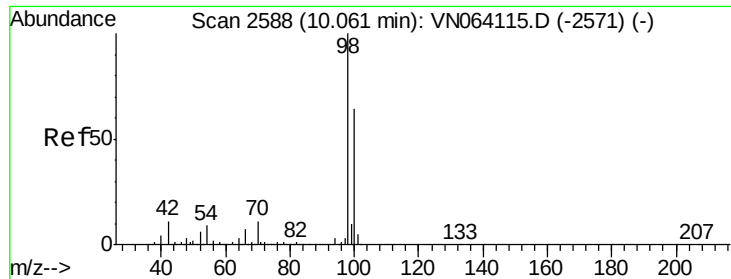
#49
1,4-Dioxane
Concen: 1.227 ug/l
RT: 9.18 min Scan# 2315
Delta R.T. 0.02 min
Lab File: VN064138.D
Acq: 15 Oct 2020 13:02

Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 340.3 27.2 40.8#
58 0.0 52.6 78.8#



Abundance Ion 88.00 (87.70 to 88.70): V
Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V

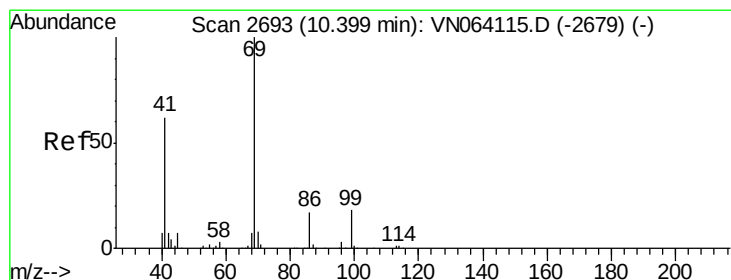
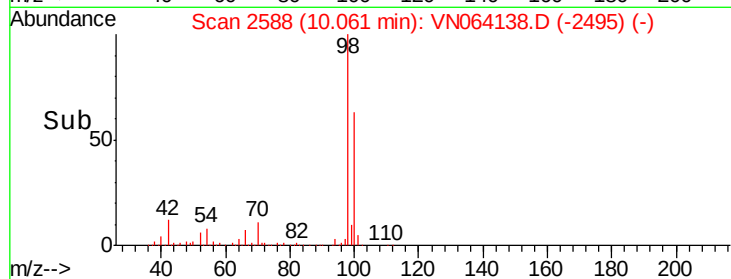
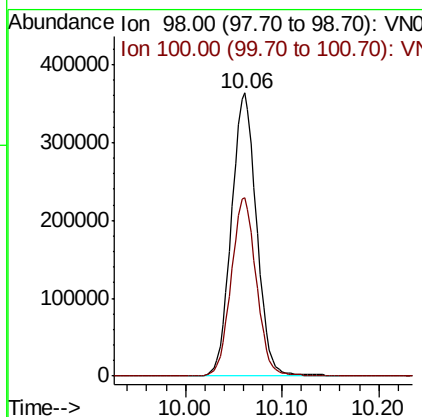
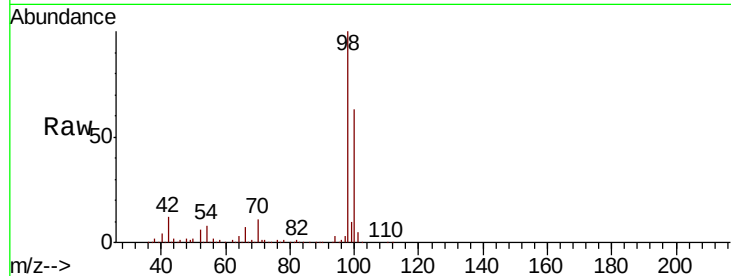




#50
Toluene-d8
Concen: 49.621 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064138.D
Acq: 15 Oct 2020 13:02

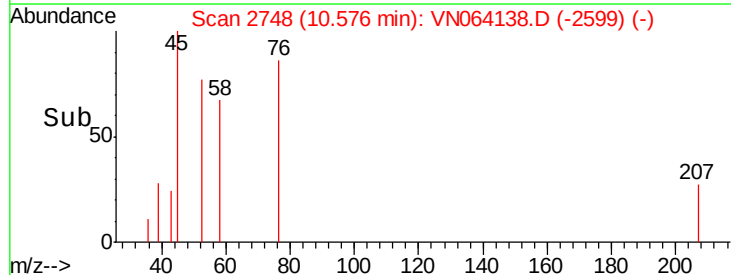
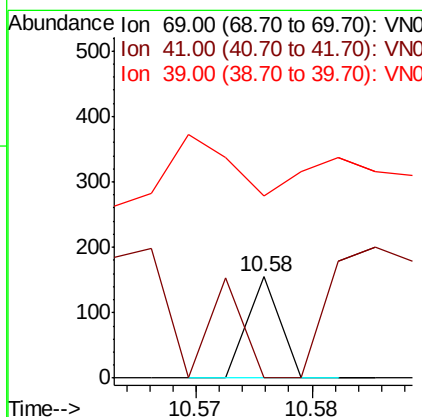
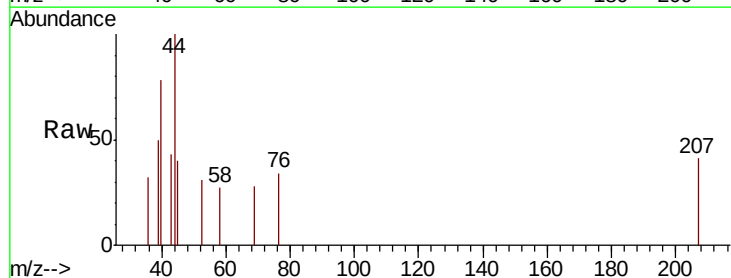
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MSVOA_N
ClientSampled :
TB-10-14-20

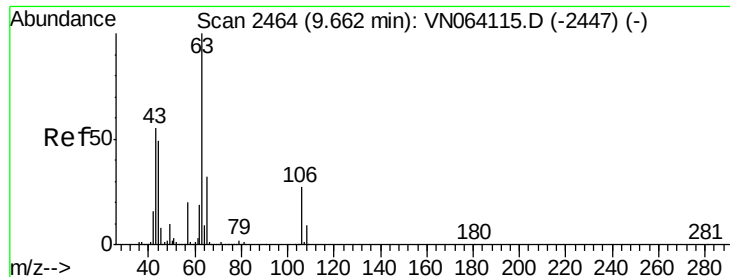
Tot Ion: 98 Resp: 657504
Ion Ratio Lower Upper
98 100
100 63.1 50.8 76.2



#56
Ethyl methacrylate
Concen: 2.304 ug/l
RT: 10.58 min Scan# 2748
Delta R.T. 0.18 min
Lab File: VN064138.D
Acq: 15 Oct 2020 13:02

Tgt Ion: 69 Resp: 30
Ion Ratio Lower Upper
69 100
41 360.0 49.3 73.9#
39 0.0 32.7 49.1#

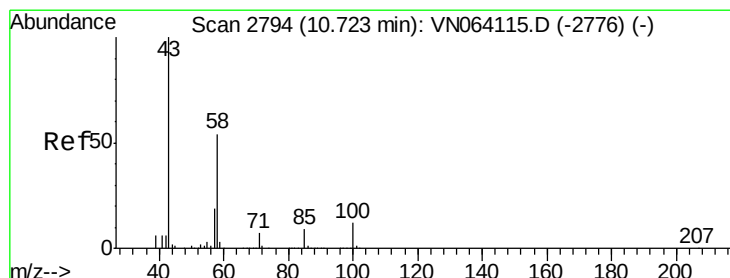
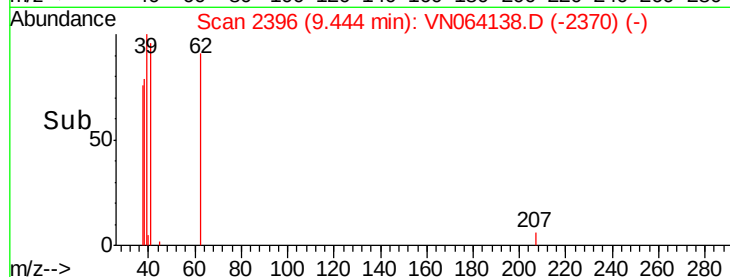
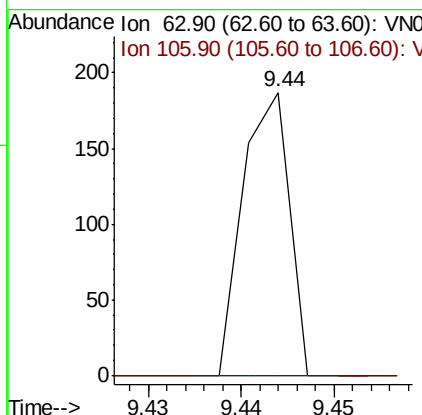
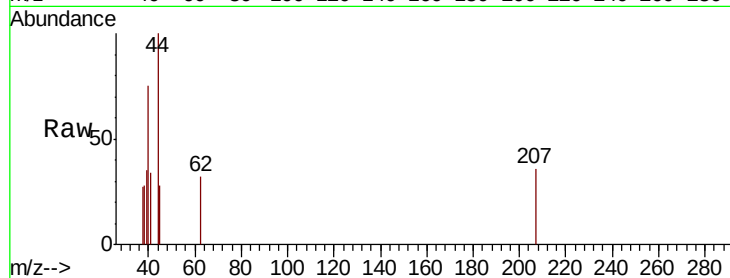




#58
 2-Chloroethyl Vinyl ether
 Concen: 12.242 ug/l
 RT: 9.44 min Scan# 2396
 Delta R.T. -0.22 min
 Lab File: VN064138.D
 Acq: 15 Oct 2020 13:02

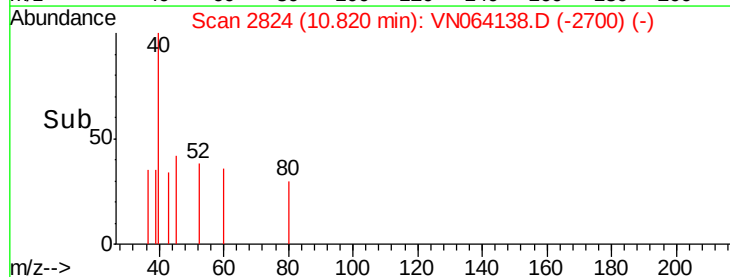
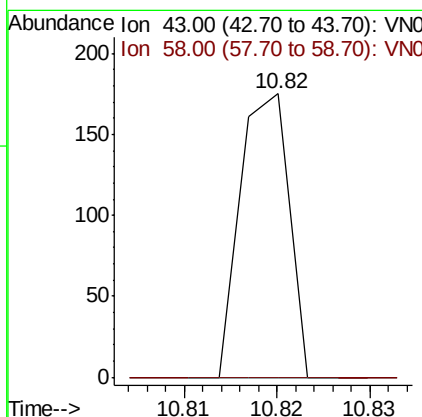
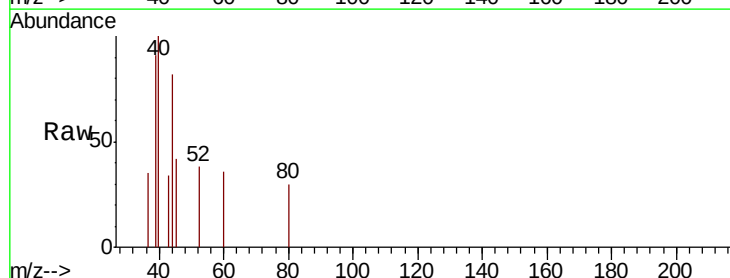
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-10-14-20

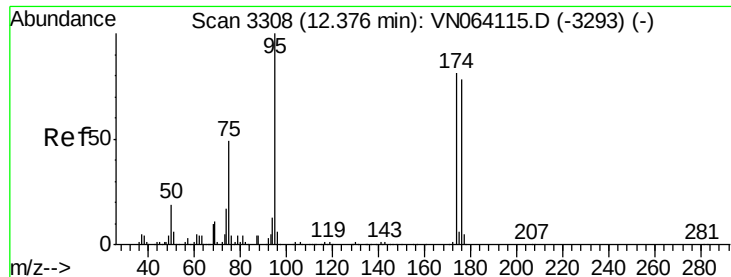
Tot Ion: 63 Resp: 66
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.8 32.6#



#59
 2-Hexanone
 Concen: 6.857 ug/l
 RT: 10.82 min Scan# 2824
 Delta R.T. 0.10 min
 Lab File: VN064138.D
 Acq: 15 Oct 2020 13:02

Tgt Ion: 43 Resp: 65
 Ion Ratio Lower Upper
 43 100
 58 49.2 27.2 81.6

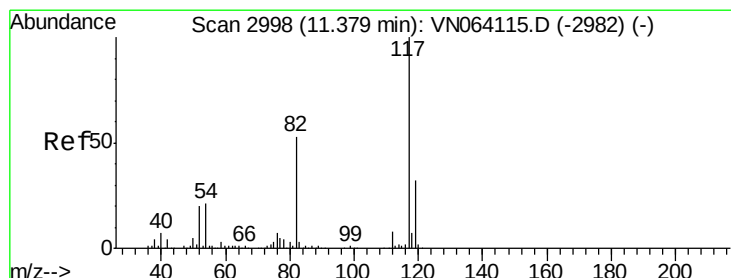
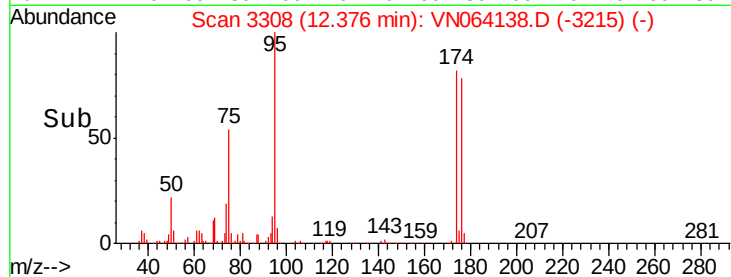
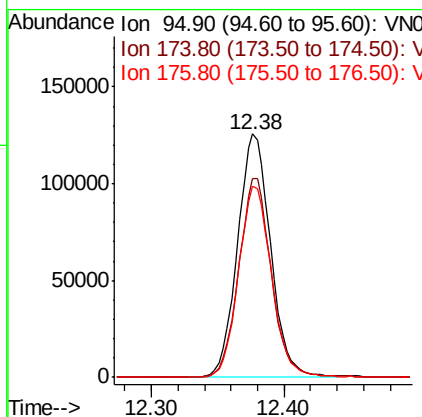
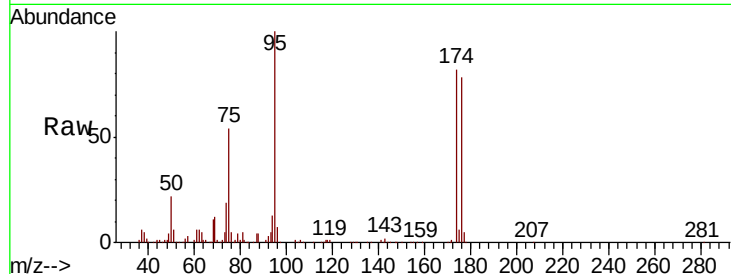




#62
4-Bromofluorobenzene
Concen: 47.739 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064138.D
Acq: 15 Oct 2020 13:02

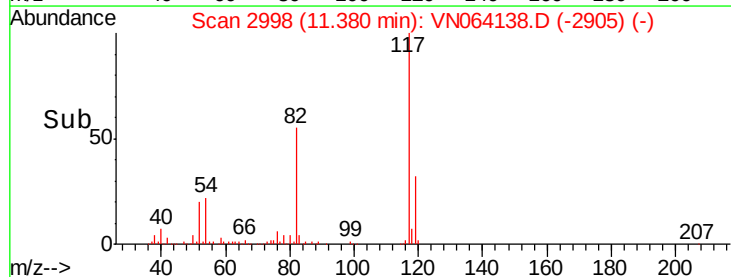
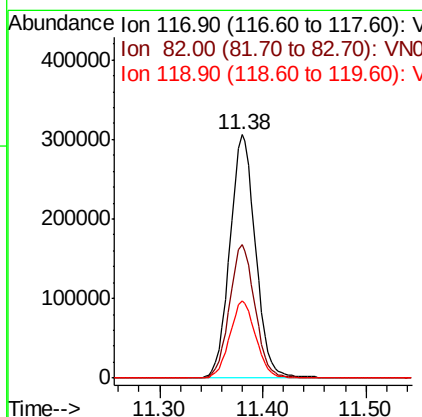
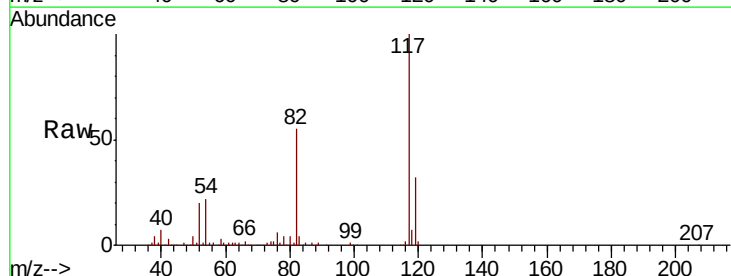
Instrument :
MSVOA_N
ClientSampleId :
TB-10-14-20

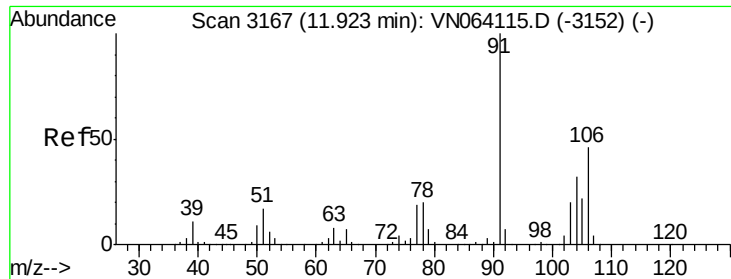
Tot Ion	95	Resp	217427
Ion Ratio	Lower	Upper	
95	100		
174	80.9	0.0	164.8
176	78.4	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064138.D
Acq: 15 Oct 2020 13:02

Tgt Ion	117	Resp	530787
Ion Ratio	Lower	Upper	
117	100		
82	54.9	42.6	63.8
119	31.6	25.5	38.3

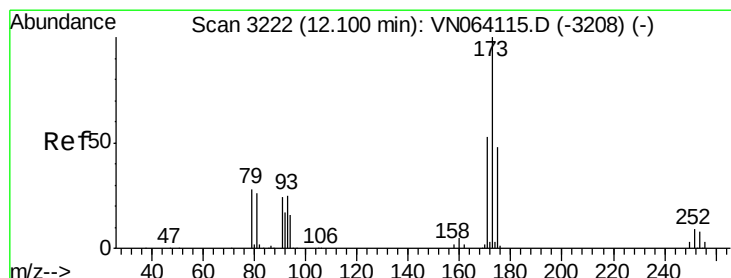
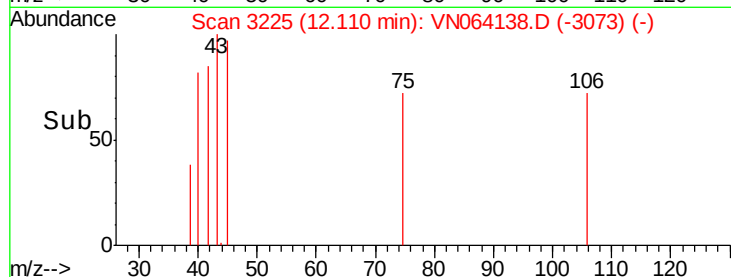
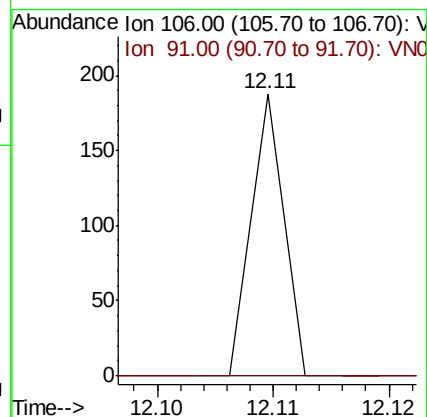
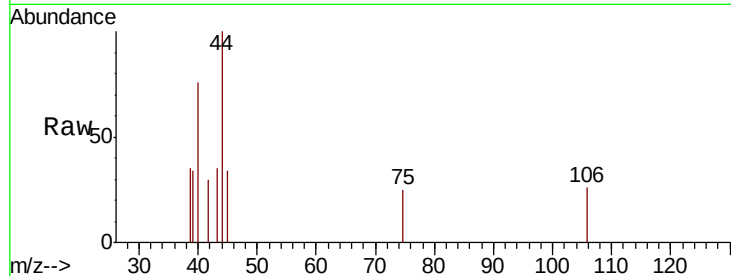




#69
o-Xylene
Concen: 1.588 ug/l
RT: 12.11 min Scan# 3225
Delta R.T. 0.19 min
Lab File: VN064138.D
Acq: 15 Oct 2020 13:02

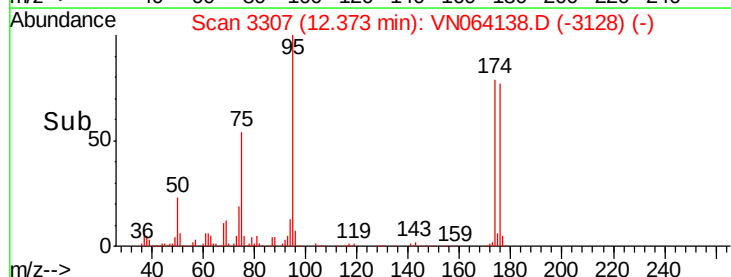
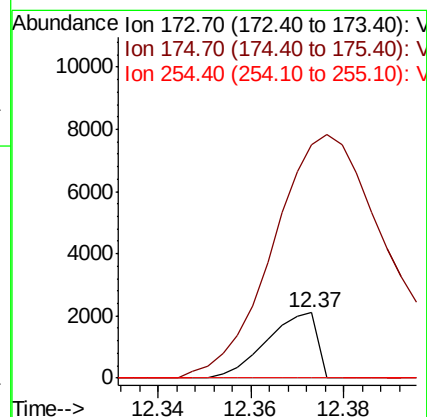
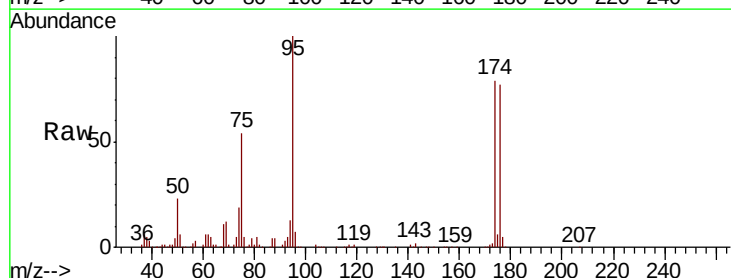
Instrument :
MSVOA_N
ClientSampleId :
TB-10-14-20

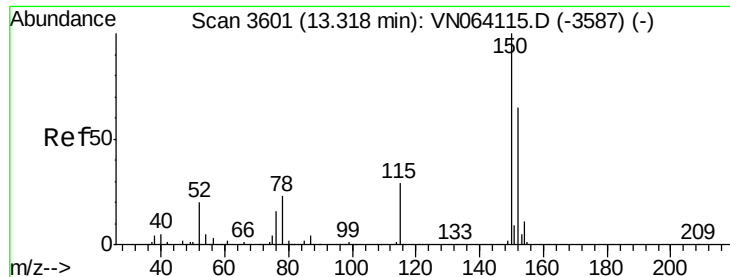
Tot Ion:106 Resp: 36
Ion Ratio Lower Upper
106 100
91 0.0 107.6 322.8#



#71
Bromoform
Concen: 2.665 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.27 min
Lab File: VN064138.D
Acq: 15 Oct 2020 13:02

Tgt Ion:173 Resp: 1599
Ion Ratio Lower Upper
173 100
175 670.3 23.4 70.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064138.D

Acq: 15 Oct 2020 13:02

Instrument :

MSVOA_N

ClientSampled :

TB-10-14-20

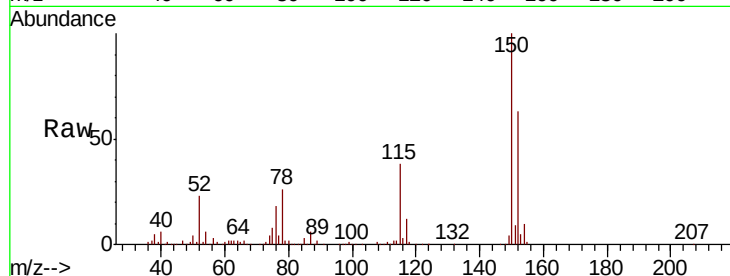
Tot Ion:152 Resp: 184769

Ion Ratio Lower Upper

152 100

115 61.6 29.3 87.8

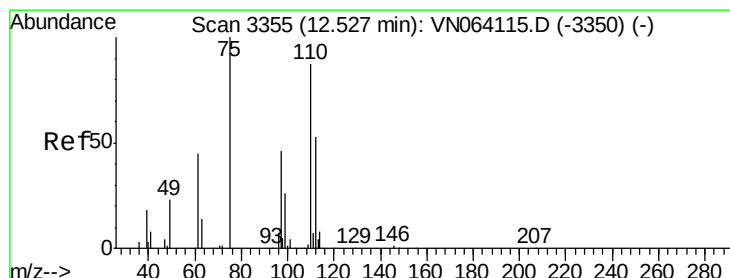
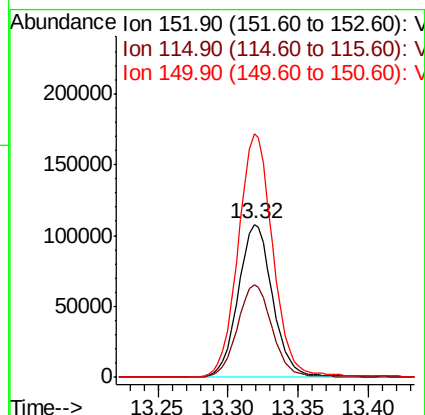
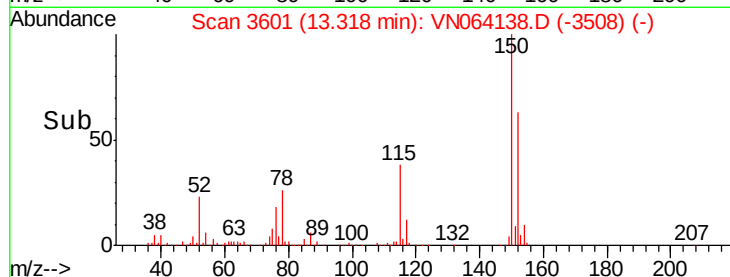
150 162.2 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.983 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064138.D

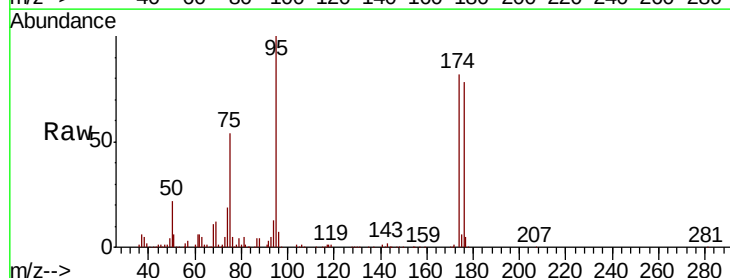
Acq: 15 Oct 2020 13:02

Tgt Ion: 75 Resp: 116967

Ion Ratio Lower Upper

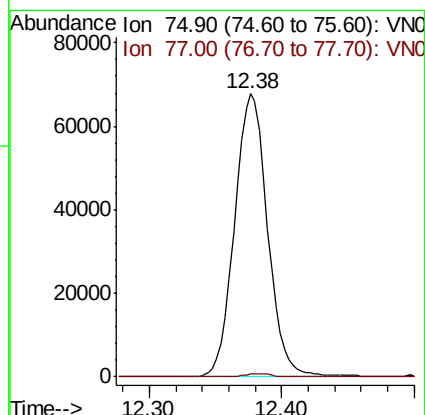
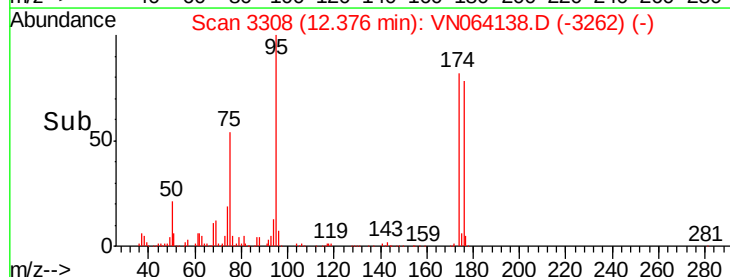
75 100

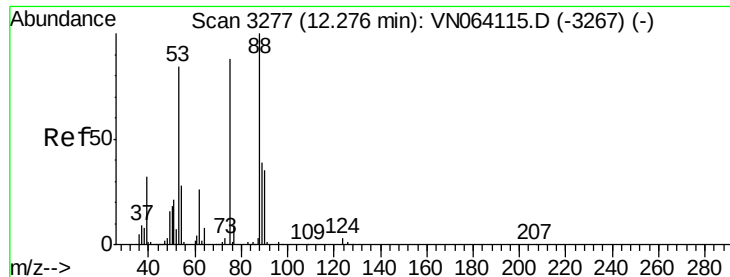
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

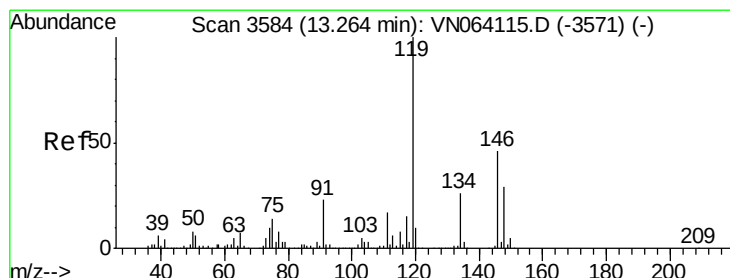
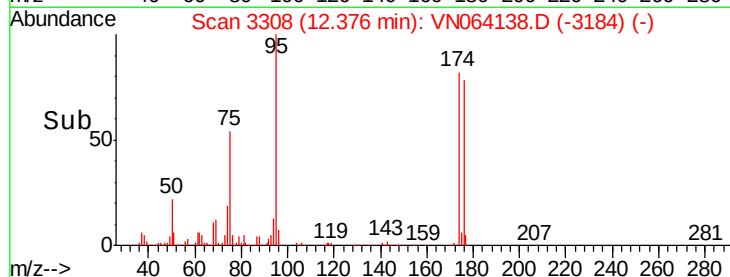
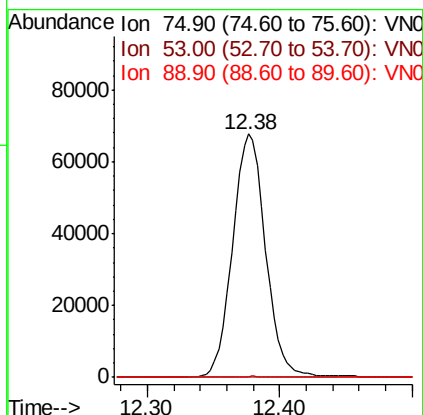
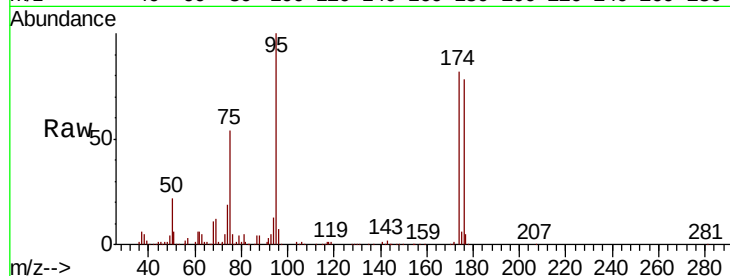




#81
trans-1,4-Dichloro-2-butene
Concen: 82.439 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN064138.D
Acq: 15 Oct 2020 13:02

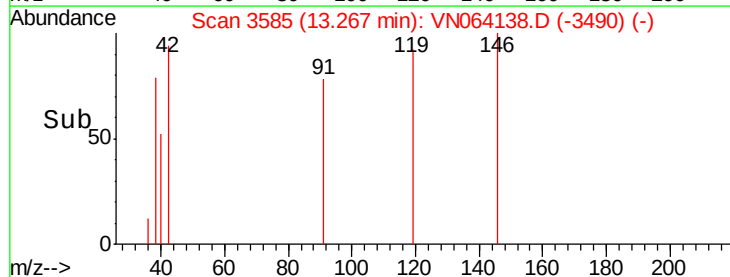
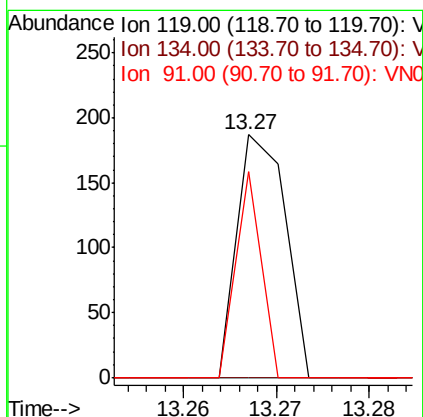
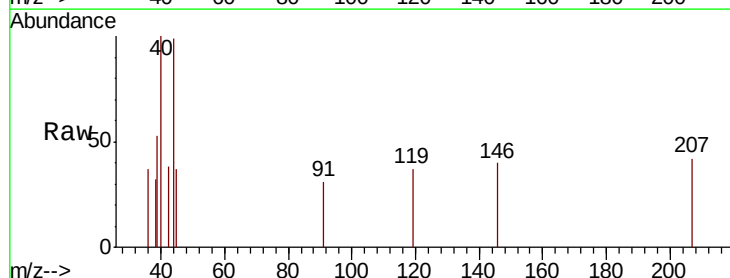
Instrument :
MSVOA_N
ClientSampleId :
TB-10-14-20

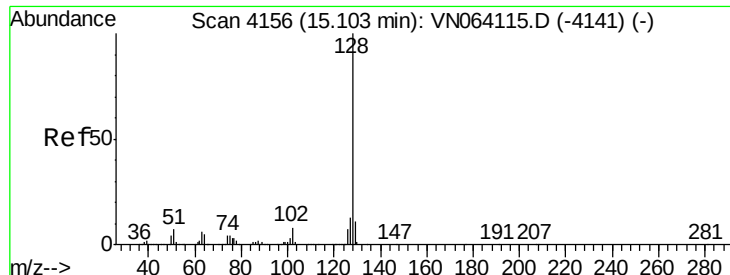
Tot Ion: 75 Resp: 116967
Ion Ratio Lower Upper
75 100
53 0.4 75.7 113.5#
89 0.0 36.6 55.0#



#86
p-Isopropyltoluene
Concen: 0.668 ug/l
RT: 13.27 min Scan# 3585
Delta R.T. 0.00 min
Lab File: VN064138.D
Acq: 15 Oct 2020 13:02

Tgt Ion: 119 Resp: 68
Ion Ratio Lower Upper
119 100
134 0.0 13.2 39.5#
91 45.6 12.0 36.1#





#95

Naphthalene

Concen: 3.800 ug/l

RT: 15.14 min Scan# 4166

Delta R.T. 0.03 min

Lab File: VN064138.D

Acq: 15 Oct 2020 13:02

Instrument :

MSVOA_N

ClientSampled :

TB-10-14-20

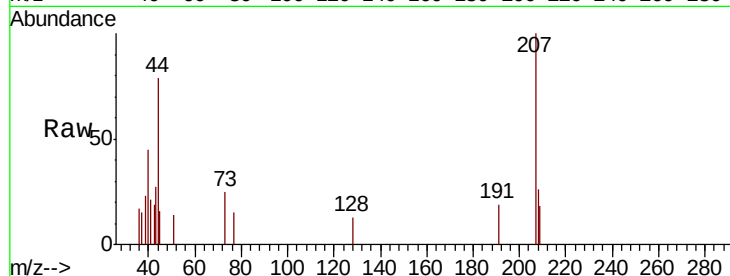
Tot Ion:128 Resp: 29

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

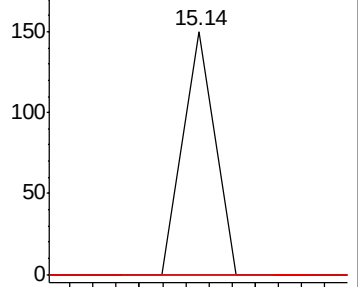
129 0.0 8.5 12.7#



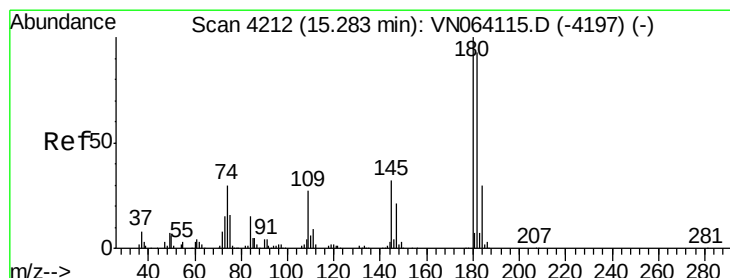
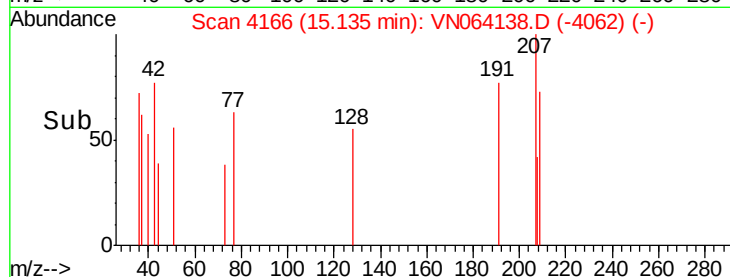
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 2.830 ug/l

RT: 15.29 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN064138.D

Acq: 15 Oct 2020 13:02

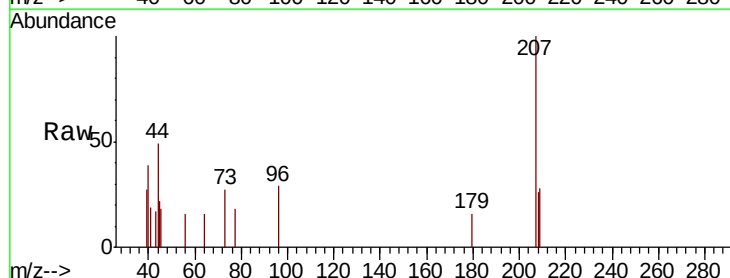
Tgt Ion:180 Resp: 63

Ion Ratio Lower Upper

180 100

182 0.0 46.6 139.8#

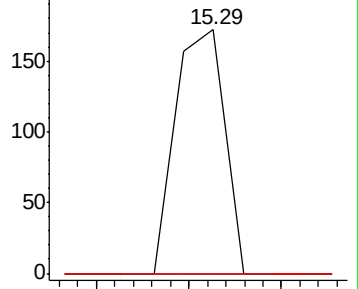
145 0.0 16.1 48.2#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->

